

Converting Colors

$Yxy(39.7806, 0.5008, 0.4406)$

Have a look what the booklet for
Yxy(39.7806, 0.5008, 0.4406)
contains.

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Color

Yxy(39.7954, 0.5013, 0.4401)

Conversions

Conversions Part 1

Format	Color
Hex	EB9700
RGB	235, 151, 0
RGB Percent	92%, 59%, 0%
CMY	0.0784, 0.4078, 0.9990
CMYK	0.00, 0.36, 1.00, 0.08
HSL	39°, 100%, 46%
HSV	39°, 100%, 92%
XYZ	45.3293, 39.7954, 5.2988
YIQ	158.9020, 98.5350, -29.1530

Conversions

Conversions Part 2

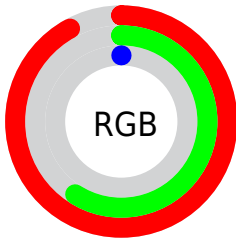
Format	Color
RYB	131, 235, 0
Decimal	15439616
CIELab	69.32, 22.87, 74.09
CIELCh	69, 77.541, 72.844
Yxy	39.7954, 0.5013, 0.4401
Android (android.graphics.Color)	4293629696 (0xFFEB9700)
YUV	158.9020, -78.3387, 66.7379
Hunter-Lab	63.0836, 17.8666, 39.1783

Details

The Yxy color **39.7954, 0.5013, 0.4401** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark washed orange. A complement of this color would be **12.3784, 0.1645, 0.1119**, and the grayscale version is **34.9692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4444, 0.4412, 0.4486**, and **17.9986, 0.5174, 0.4274** is the 20% darker color. If you saturate the color by 10%, you get **39.7687, 0.5014, 0.4401**, and if you desaturate by 10%, it is **42.6657, 0.4876, 0.4436**.

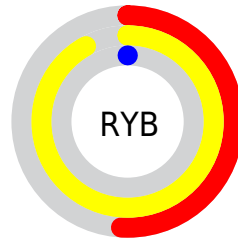
Distribution



Red (92%)

Green (59%)

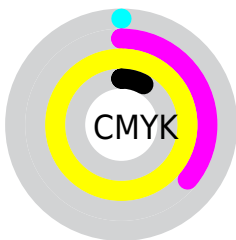
Blue (0%)



Red (51%)

Yellow (92%)

Blue (0%)

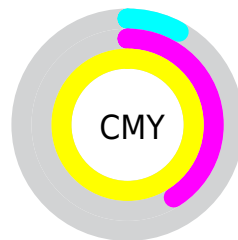


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (41%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7954, 0.5013, 0.4401 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 39.7954, 0.5013, 0.4401 by changing the saturation by 10% instead.


 39.7954, 0.5013,
0.4401


 39.7954, 0.5013,
0.4401


345.2605, 0.4145,
0.3988


 27.3791, 0.5177,
0.4440


 74.8519, 0.4733,
0.4297


 17.8581, 0.5353,
0.4456


 98.2608, 0.4616,
0.4243

 10.8482, 0.5558,
0.4442


 126.1026, 0.4513,
0.4192

 5.9648, 0.5699,
0.4301

 158.7619, 0.4421,
0.4145

 2.8237, 0.5912,
0.4088

 196.6229, 0.4340,
0.4100

 1.0404, 0.6271,
0.3729

 240.0701, 0.4268,


 0.0000, 1.0000,


0.4060

0.0000

 289.4878, 0.4203,
0.4022

 0.0000, 0.0000,
0.0000


 39.7954, 0.5013,
0.4401


 39.7954, 0.5013,
0.4401


 39.7687, 0.5014,
0.4401

 42.6657, 0.4876,
0.4436

 45.8089, 0.4708,
0.4424

 49.2549, 0.4512,
0.4361

 53.0218, 0.4297,
0.4254

 57.1251, 0.4077,
0.4115

■ 61.5789, 0.3859,
0.3956

■ 66.3960, 0.3652,
0.3786

■ 71.5883, 0.3460,
0.3615

■ 77.1672, 0.3284,
0.3448

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.7954, 0.5319, 0.3636



39.7954, 0.5013, 0.4401



39.7954, 0.4225, 0.5133

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



39.7954, 0.5013, 0.4401



39.7954, 0.1591, 0.3339



39.7954, 0.2669, 0.1879

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



39.7954, 0.5013, 0.4401



12.3784, 0.1645, 0.1119

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



39.7954, 0.1858, 0.1704



39.7954, 0.5013, 0.4401



39.7954, 0.1334, 0.2324

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



39.7954, 0.5013, 0.4401



39.7954, 0.2262, 0.4673



39.7954, 0.1429, 0.1823



39.7954, 0.3809, 0.2310

Rectangle

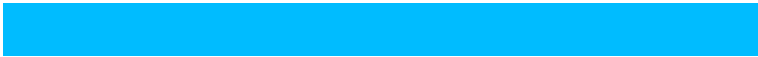
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.7954, 0.5013, 0.4401



39.7954, 0.3572, 0.5409



39.7954, 0.1429, 0.1823



39.7954, 0.2355, 0.1790

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



39.7975, 0.5013, 0.4401



79.7766, 0.3657, 0.3790



18.3449, 0.5547, 0.2830



16.5392, 0.3743, 0.3863



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.7975, 0.5013, 0.4401



47.7245, 0.5019, 0.4397



72.2136, 0.3957, 0.5240



16.6676, 0.3277, 0.3441



22.3826, 0.4998, 0.4414



1.9383, 0.4857, 0.4525

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



12.3784, 0.1645, 0.1119



14.7435, 0.1642, 0.1110



6.3035, 0.1544, 0.0625



15.4310, 0.2980, 0.3134



7.0938, 0.1652, 0.1146



0.7333, 0.1729, 0.1423

Previews

White Background



This preview shows how the Yxy color 39.7954, 0.5013, 0.4401 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 39.7954, 0.5013, 0.4401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.7954, 0.5013, 0.4401

Background



This preview shows how black text looks on a background with the Yxy color 39.7954, 0.5013, 0.4401.



This preview shows how white text looks on a background with the Yxy color 39.7954, 0.5013, 0.4401.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

39.7954, 0.5013, 0.4401

Protanopia

39.8663, 0.4377, 0.4852

Deuteranopia

39.9368, 0.4726, 0.4630



Tritanopia

39.6913, 0.4094, 0.3171

Trichromacy



Original Color

39.7954, 0.5013, 0.4401

Protanomaly

39.4839, 0.4615, 0.4686

Deuteranomaly

39.6435, 0.4834, 0.4543

Tritanomaly

39.1418, 0.4632, 0.3803

Monochromacy



Original Color

39.7954, 0.5013, 0.4401

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.2813, 0.3978, 0.4041

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7954, 0.5013, 0.4401 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(235, 151, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 151, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(235, 151, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 151, 0) }
```

Border

The CSS property to change the border of an element to Yxy 39.7954, 0.5013, 0.4401 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(235, 151, 0) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(235, 151, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(235, 151, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 151, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 151, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 151,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7954, 0.5013, 0.4401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 151, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(235,  
151, 0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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